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|-------|------|--|
|       |      |  |

| Application/Control No. | Applicant(s)/Pat nt under Reexamination |
|-------------------------|---|
| 10/564,119              | GOULDING ET AL.                         |
| Examin r                | Art Unit                                |
| Lester L. Vanterpool    | 3727                                    |

| Rejected | - | (Through numeral)<br>Cancelled |
|----------|---|--------------------------------|
| Allowed  | + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| 1 | Interference |

| - | A | Appeal   |
|---|---|----------|
|   | 0 | Objected |

| Claim             | Date |         |          |          |          |          |                | Claim Date |              |                 |     |       |          |           |          |          | 1        | Claim Date |          |   |                         |    |          |            |          |          |  |          |          |                |          |          |          |
|-------------------|------|---------|----------|----------|----------|----------|----------------|------------|--------------|-----------------|-----|-------|----------|-----------|----------|----------|----------|------------|----------|---|-------------------------|----|----------|------------|----------|----------|--|----------|----------|----------------|----------|----------|----------|
| Final<br>Original |      | 6/22/06 |          |          | Ī        |          |                |            |              |                 | Ī   | Final | Original |           |          |          |          |            |          |   |                         |    | Final    | Original   |          |          |  |          |          |                |          |          |          |
| T O               |      | 7       | 1        | 4        | 4        | _        |                |            |              | 4               | -   |       | Ō<br>51  |           | 4        | 4        | 4        | 4          | +        | +   | $\bot$                  | -  | $\vdash$ | 101        |          | $\dashv$ | $\dashv$   | 4        | $\dashv$ | 4              | -        | 4        | _        |
| - 14              |      | ╁       | 十        | ╅        | ┪        |          | _              | Н          | -            | ᅱ               | ŀ   |       | 52       | Н         | ┪        | ┪        | +        | -†         | ╅        | +   | $\top$                  | 1  |          | 102        |          | $\dashv$ | _  | ┪        | 寸        |                | _        | ┪        | $\neg$   |
| 3                 | _    | it      | 十        | +        | ┪        | ┪        | _              | Н          | Н            | ᅥ               | ı   |       | 53       | Н         |          | ┪        | 7        | 十          | 7        | 1   | $\top$                  | 1  |          | 103        |          |          | ヿ  | ╗        | 一        |                |          |          | $\neg$   |
| 4                 | †    | +       | 7        | ┪        | コ        | 一        |                | ┌          |              |                 | ı   |       | 54       | П         |          | $\neg$   | 7        | ╗          | I        | T   | I                       | ]  |          | 104        |          |          |  |          |          |                | $\Box$   |          |          |
| 5                 | †    | 7       | 7        | 7        | $\neg$   | ╗        |                |            |              |                 | Ī   |       | 55       |           |          |          |          |            | Τ        | T   | I                       | ]  |          | 105        |          |          | $\Box$   | $\Box$   |          | $\Box$         | $\Box$   | $\Box$   |          |
| 6                 | 1    |         |          |          |          |          |                |            |              |                 |     |       | 56       |           |          |          | Ц        | $\Box$     | $\Box$   |   |                         | ]  |          | 106        |          |          | _  | _        | _        | _              | _        | _        | لب       |
| 17                | Ι    |         |          |          |          |          |                |            |              | ╝               | L   |       | 57       | Ц         |          | $\dashv$ | 4        | 4          | 4        | 4   | 4_                      | 1  | <u> </u> | 107        |          | $\dashv$ | 4  | _        | _        | _              | 4        | _        | لــــا   |
| 8                 | 1    | $\perp$ | $\perp$  | 4        | $\Box$   |          |                | Ш          |              | 4               | ļ   |       | 58       | $\square$ | _        | _        | 4        | 4          | 4        | 4   | _                       | 1  |          | 108        |          | -        | -  | _        | -        | _              | 4        | -1       | لـــا    |
| 9                 | 4    | 4       | 4        | 4        | _        | _        |                | _          |              | 4               | ŀ   |       | 59       | Н         | _        | _        | -+       | 4          | 4        | 4   |                         | 4  | <u> </u> | 109        |          | $\dashv$ |  |          |          |                | -        | -        | _        |
| 10                |      | 4       | 4        | 4        | 4        | -        | _              | _          |              | 4               | ŀ   |       | 60<br>61 | Н         |          | $\dashv$ | $\dashv$ | +          | +        | +   |                         | ┨  | <u> </u> | 110<br>111 | $\vdash$ | -        | ᅱ  | $\dashv$ | -        | $\dashv$       | ┥        | $\dashv$ | $\vdash$ |
| 11                |      | +       | +        | 4        | $\dashv$ | $\dashv$ |                | $\vdash$   | $\vdash$     | $\dashv$        | ŀ   |       | 62       | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | ┰        | +   | ╁                       | 1  | -        | 112        | $\vdash$ | $\dashv$ | ┥  | $\dashv$ | ┨        | $\dashv$       | ┪        | -        | $\vdash$ |
| 12<br>13          |      | +       | +        | ┥        | ᅱ        | $\dashv$ | $\vdash$       | -          | Н            | $\dashv$        | ŀ   |       | 63       | Н         | $\dashv$ |          | $\dashv$ | +          | $\dashv$ | ╅   | +                       | 1  | $\vdash$ | 113        | Н        | $\dashv$ | ᅱ  | $\dashv$ | ᅥ        | $\dashv$       | 一        | ᅥ        | $\vdash$ |
| 14                |      | +       | $\dashv$ | $\dashv$ | ᅱ        | $\dashv$ | Н              |            | Н            | $\dashv$        | ŀ   |       | 64       | $\vdash$  | $\dashv$ | ᅥ        | 十        | +          | 7        | 十   | 十                       | 1  |          | 114        |          | $\dashv$ | 一  | -        | ᅦ        | $\dashv$       | ┪        | $\dashv$ |          |
| 15                |      | 十       | 十        | 7        | -        | $\dashv$ | Н              |            | H            | $\dashv$        | ı   |       | 65       | П         | $\neg$   | 寸        | 寸        | ✝          | 7        | $\dashv$  | 十                       | 1  |          | 115        |          |          |  |          |          |                | 丁        |          |          |
| 16                |      | 7       | 7        | ┪        | ヿ        |          |                |            |              |                 | Ì   |       | 66       | П         |          |          | T        | 寸          | 7        | 7   | 7                       | 1  |          | 116        |          |          |  |          |          |                |          |          |          |
| 17                | 7    | ┪       | 7        | ┪        | $\neg$   |          |                |            |              |                 | I   |       | 67       |           |          |          |          | $\Box$     | $\Box$   | $oldsymbol{ol}}}}}}}}}}}}}}}$ |                         | ]  |          | 117        |          |          |  |          |          |                |          |          |          |
| 18                | ı    | T       | Т        | ╛        |          |          |                |            |              |                 | [   |       | 68       |           |          |          | $\Box$   | $\Box$     | $\Box$   | $\perp$   |                         | ]  |          | 118        | Ш        |          |  |          |          |                |          |          | _        |
| 19                |      | $\Box$  | $\Box$   |          |          |          |                |            |              | $\Box$          | [   |       | 69       |           |          |          | $\perp$  | _          | _1       | ┵   |                         | 1  | <u></u>  | 119        | L        |          |  | Ш        |          | $\blacksquare$ | _        | _        |          |
| 20                |      | $\Box$  |          |          |          |          |                |            | Щ            | $\Box$          | - 1 |       | 70       | Ш         |          | $\Box$   | 4        | 4          | 4        | _   | _                       | 1  |          | 120        |          |          | $\Box$   |          |          | $\blacksquare$ |          | _        |          |
| 21                |      | _       | $\perp$  | 4        |          |          | L.             |            | Ш            | Ц               | ļ   |       | 71       | Ш         |          |          | 4        | 4          | 4        | +   | _                       | 4  |          | 121        | Ш        | Н        | -  |          |          |                |          | _        | <u> </u> |
| 22                |      | 4       | 4        | 4        |          | -        | _              | <u> </u>   | Ш            |                 | - } |       | 72       | Ш         | -        | _        | -+       | 4          | -+       | +   |                         | 4  | -        | 122<br>123 | _        |          | _  |          | _        |                |          | -        | H        |
| 23                |      | +       | +        | 4        | -        |          |                | L          | Н            | $\dashv$        | ŀ   |       | 73<br>74 | -         | $\dashv$ | $\dashv$ | +        | ᅪ          | -+       | +   | +                       | ┨  | -        | 123        | $\vdash$ | Н        |  |          |          |                | $\dashv$ |          | ┢        |
| 24                |      | +       | +        | ┥        | $\dashv$ | -        | _              |            | -            | {               | H   |       | 75       | Н         | Н        | $\dashv$ | $\dashv$ | ╅          | -+       | -+  | ╅                       | ┨  | ├        | 125        | ┝        | Н        |  | $\dashv$ | -        | Н              | -        | _        | $\vdash$ |
| 25<br>26          |      | ╅       | +        | ┥        | -        | -        | Н              | Н          | Н            | $\dashv$        | ł   |       | 76       | Н         | $\vdash$ | $\dashv$ | $\dashv$ | ┰          | -+       | +   | ╅                       | ┨  | -        | 126        | $\vdash$ | Н        |  |          |          | Н              | 寸        | $\neg$   | _        |
| . 27              |      | ┪       | ┰        | -        | ᅱ        | -        | ⊢              | ⊢          | Н            | $\dashv$        | ł   |       | 77       | Н         | $\vdash$ | $\dashv$ | $\dashv$ | ┪          | -†       | 十   | +                       | 1  |          | 127        | Н        |          |  |          |          |                | 一        |          | $\vdash$ |
| 28                |      | +       | 十        | 7        |          | т        | _              | ┪          | Н            | -               | l   |       | 78       | Н         |          | $\neg$   | _        | 7          | 7        | ┪   | 十                       | 1  |          | 128        | Г        |          |  |          |          |                |          |          |          |
| 29                | 1    | 7       | 7        | 7        | $\neg$   |          | $\vdash$       | Г          | П            | $\neg$          | ı   |       | 79       | П         |          | $\Box$   |          | 7          | $\neg$   | T   | ┰                       | 1  |          | 129        |          |          |  |          |          |                |          |          |          |
| 30                | ī    | T       |          |          |          |          |                |            |              |                 | 1   |       | 80       |           |          |          |          |            |          | $\Box$  |                         | ]  |          | 130        |          |          |  |          |          |                |          |          |          |
| 31                |      |         | $\Box$   |          |          |          |                |            |              |                 |     |       | 81       |           |          |          |          |            |          | _   | $\perp$                 | ]  |          | 131        | _        | Ш        |  |          |          |                | _        |          | <b>—</b> |
| 32                |      |         | $\Box$   |          |          |          |                |            |              | $\Box$          |     |       | 82       | Ш         |          | Ц        | $\dashv$ | 4          | 4        | 4   |                         | 1  | <u> </u> | 132        | L        | Ш        | Ц  | Н        |          | Ш              | _        | _        | <b>—</b> |
| 33                |      | 4       | 4        | 4        | _        | Щ        | <u> </u>       | <u> </u>   | L            | _               |     |       | 83       | Н         | Н        | -        | $\dashv$ | 4          | -        | 4   | -                       | -  | -        | 133        | <b>—</b> | -        | -  | Н        | _        | Н              | -        | _        | -        |
| 34                |      | 4       |          | -        | _        | Щ        | $\vdash$       | <u> </u>   | $\vdash$     | $\dashv$        | ŀ   |       | 84<br>85 | Н         | $\vdash$ | $\vdash$ | $\dashv$ | +          | $\dashv$ | +   | +                       | -  |          | 134<br>135 | ⊢        | $\vdash$ | Н  | Н        | -        | Н              |          | _        | $\vdash$ |
| 35<br>36          |      | +       | -        | -        |          | $\vdash$ | -              | $\vdash$   | $\vdash$     | $\dashv$        | ŀ   |       | 86       | H         | Н        | $\vdash$ | $\dashv$ | $\dashv$   | ┥        | +   | ┿                       | -  | -        | 136        | -        | -        | $\vdash$   | Н        | Н        | $\vdash$       | -        | -        | $\vdash$ |
| 37                |      | +       | $\dashv$ | ┥        | -        | Н        | <del> </del>   | -          |              | $\dashv$        | ł   |       | 87       | $\vdash$  |          |          | $\dashv$ | $\dashv$   | $\dashv$ | +   | +                       | 1  | -        | 137        | $\vdash$ | Н        | $\vdash$   | Н        | H        | Н              |          | _        | Н        |
| 38                |      | +       | $\dashv$ | ┨        | $\dashv$ | Н        | Н              | $\vdash$   | $\vdash$     | $\dashv$        | ł   |       | 88       | H         | $\vdash$ | $\vdash$ | -        | +          | 7        | 十   | +                       | 1  |          | 138        | Н        | Н        | Н  | Н        | Н        | Н              | _        | _        | Γ        |
| 39                |      | +       | $\dashv$ | ┪        |          | Н        | Н              | Н          | $\vdash$     | $\dashv$        | ł   |       | 89       | Н         | $\vdash$ | Н        |          | ┪          | 十        | 十   | 十                       | 1  |          | 139        | Г        | П        |  | П        | П        |                | $\neg$   |          | Г        |
| 40                |      | 7       | 十        | ┪        |          | Н        | Т              | Г          | П            | $\dashv$        | ı   |       | 90       | П         |          | П        | _        | 1          | 7        | $\dashv$  | 1                       | 1  |          | 140        |          |          |  |          |          |                |          |          |          |
| 41                |      | 1       | $\top$   | _        |          |          | Г              |            |              |                 | I   |       | 91       |           |          |          |          |            | ╛        | _1  | ╧                       | ]  |          | 141        |          |          |  |          |          |                |          |          |          |
| 42                |      |         |          |          |          |          |                |            |              |                 | Ì   |       | 92       |           |          |          |          |            | J        | $\Box$  | $oldsymbol{\mathbb{L}}$ | 1  |          | 142        |          |          |  |          |          |                |          |          | $\Box$   |
| 43                |      | $\Box$  | $\Box$   | $\Box$   |          |          |                |            |              |                 |     |       | 93       |           |          |          | $\Box$   | $\Box$     | l        | $\perp$   | $\bot$                  | 1  |          | 143        | L        | Ш        |  | Ш        |          |                | Ш        |          | L        |
| 44                |      | $\bot$  | $\perp$  |          |          |          | L              | Ĺ          |              |                 |     |       | 94       |           | Ш        | Ш        | $\sqcup$ | _[         | _[       | _[  |                         | 4  | $\vdash$ | 144        | L        | Ш        | Щ  | Щ        | L        | Ш              | Ц        |          | L        |
| 45                |      | 4       | 4        | 4        |          | L.       | _              | <b>!</b>   | <u> </u>     | Ш               |     |       | 95       | $\sqcup$  | Ш        | Ш        | $\dashv$ | 4          | 4        | 4   | - -                     | -1 | <b>—</b> | 145        |          | Ы        | $\vdash$   | H        | H        | $\vdash$       | Щ        | $\vdash$ | ├-       |
| 46                |      | 4       | 4        | 4        | _        | _        | <u> </u>       | <b>├</b>   | <b> </b> -   | Ш               | ļ   |       | 96       | $\vdash$  | Н        | Щ        | $\vdash$ | 4          | -        | 4   | +                       | 4  | -        | 146        | ┡        | $\vdash$ | $\vdash$   | $\vdash$ | H        | $\vdash$       | $\vdash$ | _        | ⊢        |
| 47                |      | 4       | 4        | -        |          | <u> </u> | <del> </del>   | $\vdash$   | H            | Н               | - } |       | 97       | $\vdash$  |          | -        | $\dashv$ | 4          | 4        | -   | +                       | -  | -        | 147        | $\vdash$ | $\vdash$ | ⊢  | $\vdash$ | H        | -              | Н        | $\vdash$ | $\vdash$ |
| 48                |      | +       | -+       | 4        |          | H        | -              | ├          | ⊢            | $\vdash \vdash$ | ١   |       | 98<br>99 | ┝         | $\vdash$ | -        | $\dashv$ | +          | +        | -+  |                         | -  | 1        | 148        | ├        | Н        | $\vdash$   | -        | $\vdash$ | $\vdash$       | Н        | -        | $\vdash$ |
| 50                |      | +       | -+       | -        | _        | ├        | <del>  -</del> | ⊢          | <del> </del> | Н               |     |       | 100      | -         | Н        | $\vdash$ | $\vdash$ | $\dashv$   | ┥        | $\dashv$  | ┽                       | -  | $\vdash$ | 150        | ┨        | Н        | <del>                                     </del> |          | $\vdash$ | $\vdash$       | Н        | $\vdash$ | $\vdash$ |
|                   | 4    | _       |          | _        |          | Щ.       | Ļ              | _          | Ц.           | Ш               | ١   |       | 1.00     | _         | ш        | ш        | ال       | ᆚ          | i        | _   |                         | J  |          | 1.30       | Ļ.       | Ц        | ــــا  |          | _        |                | لب       |          |          |